

Eric B. Johansson, et al.  
Serial No.: 72044-132-1, 389  
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PATENT

FORM PTO-1449 (Modified 1992)  
LIST OF PATENTS AND PUBLICATIONS  
FOR APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT  
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Attorney Docket No. 72044-132-1  
Serial No. ~~720~~ 07/914 389  
Applicant Eric B. Johansson, et al.  
Filing Date July 15, 1992  
Group ~~2200~~

| Reference Designation |              | U.S. PATENT DOCUMENTS |       |                     |         |           | File Date |
|-----------------------|--------------|-----------------------|-------|---------------------|---------|-----------|-----------|
| Examiner Initial      | Document No. | Date                  | Name  | Class               | Subcl:  | If Approp |           |
| 7C                    | AA           | 4,357,298             | 11/82 | Wolters             | 376 441 | 10-10-80  |           |
| 7C                    | AB           | 5,112,570             | 5/92  | Dix et al.          | 376 370 | 4-4-88    |           |
| 7C                    | AC           | 5,032,351             | 6/91  | Johansson           | 376 438 | 5-11-90   |           |
| 7C                    | AD           | 4,876,063             | 10/89 | Johansson           | 376 444 | 3-17-88   |           |
| 7C                    | AE           | 4,675,154             | 6/87  | Nelson et al.       | 376 444 | 12-20-85  |           |
| 7C                    | AF           | 4,292,128             | 9/81  | Takeda et al.       | 376 370 | 9-15-78   |           |
| 7C                    | AG           | 4,863,680             | 9/89  | Sakurada et al.     | 376 444 | 3-31-89   |           |
| 7C                    | AH           | 3,243,351             | 3/66  | Campbell et al.     | 376 371 | 2-11-89   |           |
| 7C                    | AI           | 4,970,047             | 11/90 | Ueda et al.         | 376 443 | 10-13-88  |           |
| 7C                    | AJ           | 4,357,209             | 11/82 | Wolters, Jr. et al. | 376 441 | 10-10-80  |           |
| 7C                    | AK           | 4,734,249             | 3/88  | Utamura et al.      | 376 244 | 9-20-84   |           |

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| AL           |      |         |       |        |               |
| AM           |      |         |       |        |               |
| AN           |      |         |       |        |               |
| AO           |      |         |       |        |               |
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

7C AR Westinghouse Vantage 5 PWR Nuclear Fuel Assembly  
S.L. Davidson, Ed., April 1988  
AS  
AT

EXAMINER *Heena Chelliah* DATE CONSIDERED *11/20/92*

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Attorney Docket No.  
72044-132-1

92 AUG 19 PM 7:52  
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Eric B. Johansson, et al.

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| AA       |              |      |      |       |        |  |           |
| AB       |              |      |      |       |        |  |           |
| AC       |              |      |      |       |        |  |           |
| AD       |              |      |      |       |        |  |           |
| AE       |              |      |      |       |        |  |           |
| AF       |              |      |      |       |        |  |           |
| AG       |              |      |      |       |        |  |           |
| AH       |              |      |      |       |        |  |           |
| AI       |              |      |      |       |        |  |           |
| AJ       |              |      |      |       |        |  |           |
| AK       |              |      |      |       |        |  |           |

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|    |              |      |         |       |        | Yes No |
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| AN |              |      |         |       |        |        |
| AO |              |      |         |       |        |        |
| AP |              |      |         |       |        |        |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TC AR Westinghouse Vantage 5 PWR Nuclear Fuel Assembly  
S.L. Davidson, Ed., April 1988  
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Filing Date  
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## Reference Designation

## U.S. PATENT DOCUMENTS

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| HC | AA | 5,112,570 | 05/12/92 | Dix et al.          | 376 | 370 | 4/4/88   |
| HC | AB | 4,876,063 | 10/24/89 | Johansson           | 376 | 444 | 8/17/88  |
| HC | AC | 4,675,154 | 06/23/87 | Nelson et al.       | 376 | 444 | 12/20/85 |
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| HC | AE | 4,913,875 | 04/03/90 | Johansson et al.    | 376 | 439 | 3/14/89  |
| HC | AF | 4,863,680 | 09/05/89 | Sakurada et al.     | 376 | 444 | 8/8/87   |
| HC | AG | 3,243,351 | 03/29/66 | Campbell et al.     | 376 | 371 | 10/11/87 |
| HC | AH | 4,970,047 | 11/13/90 | Ueda et al.         | 376 | 443 | 10/15/88 |
| HC | AI | 4,357,298 | 11/02/82 | Welters, Jr. et al. | 376 | 441 | 10/10/80 |
| HC | AJ | 4,734,249 | 03/29/88 | Utamura et al.      | 376 | 214 | 9/20/84  |
| HC | AK | 4,292,128 | 09/29/81 | Takeda et al.       | 376 | 370 | 9/15/78  |

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